

STATUS OF THE CLAIMS:

Please delete claims 60-79.

60. (Currently deleted).

61. (Currently deleted).

62. (Currently deleted).

63. (Currently deleted).

64. (Currently deleted).

65. (Currently deleted).

66. (Currently deleted).

67. (Currently deleted).

68. (Currently deleted).

69. (Previously deleted).

70. (Currently deleted).

71. (Currently deleted).

72. (Currently deleted).

73. (Currently deleted).

74. (Currently deleted).

75. (Currently deleted).

76. (Currently deleted).

77. (Currently deleted).

78. (Currently deleted).

79. (Currently deleted).

Please add new claims 80-84 as follows.

80. (New). A method of detecting breast cell in a sample taken from tissue other than breast tissue, the method comprising:

    providing a test sample taken from a human; and  
    determining if a BS106 gene product is present in the sample, wherein the detection of a BS106 gene product indicates the presence of a breast cell.

81. (New). A method of detecting a malignancy of breast tissue, the method comprising:

    providing a sample from non-breast tissue of a human;  
and  
    determining if a BS106 gene product is present in the sample,  
wherein detection of a BS106 gene product is detected in the sample is indicative of a breast malignancy.

82. (New). The method of claim 81, wherein the gene product is an mRNA.

83. (New). The method of claim 81, wherein the gene product is a polypeptide.

84. (New). The method of claim 83, wherein the polypeptide is encoded by SEQ ID NO: 4.